

AMENDMENT UNDER 37 C.F.R. § 1.111,  
AMENDMENT UNDER 37 C.F.R. § 1.48(b) AND  
REQUEST FOR DECLARATION OF INTERFERENCE  
UNDER 37 C.F.R. § 1.607  
U.S. Appln. No. 09/942,763

ATTACHMENT C - PROPOSED COUNT

**[Claim 13 of the present application]**

13. A neutral gray colored glass composition having a base glass portion comprising:

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SiO <sub>2</sub>	65 to 80 percent by weight
Na <sub>2</sub> O	10 to 20 percent by weight
CaO	5 to 15 percent by weight
MgO	0 to 10 percent by weight
Al <sub>2</sub> O <sub>3</sub>	0 to 5 percent by weight
K <sub>2</sub> O	0.5 to 10 percent by weight

---

and a colorant portion consisting essentially of:

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Fe <sub>2</sub> O <sub>3</sub> (total iron)	0.30 to 0.70 percent by weight
FeO	0.08 to 0.16 percent by weight
Co <sub>3</sub> O <sub>4</sub>	3 to 25 PPM
Se	0.5 to 10 PPM

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wherein the color of the glass is characterized by a dominant wavelength less than 560 nanometers, a color purity of no higher than 6 percent and a visible light transmission of 70 percent or greater at a thickness of 4 millimeters, and wherein the percent reduction of the total iron is between 21% and 34%.

Or

**[Claim 20 of the present application]**

20. A glass sheet made from the composition as recited in claim 13.

Or

**[Claim 23 of the present application]**

AMENDMENT UNDER 37 C.F.R. § 1.111,  
AMENDMENT UNDER 37 C.F.R. § 1.48(b) AND  
REQUEST FOR DECLARATION OF INTERFERENCE  
UNDER 37 C.F.R. § 1.607  
U.S. Appln. No. 09/942,763

23. A neutral gray colored glass composition having a base glass portion comprising:

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SiO <sub>2</sub>	65 to 80 percent by weight
Na <sub>2</sub> O	10 to 20 percent by weight
CaO	5 to 15 percent by weight
MgO	0 to 10 percent by weight
Al <sub>2</sub> O <sub>3</sub>	0 to 5 percent by weight
K <sub>2</sub> O	0 to 5 percent by weight

---

and a colorant portion consisting essentially of:

---

Fe <sub>2</sub> O <sub>3</sub> (total iron)	0.30 to 0.70 percent by weight
FeO	0.08 to 0.16 by weight
CoO	3 to 25 PPM
Se 0	0.5 to 10 PPM
NiO	up to 50 PPM

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wherein the color of the glass is characterized by a dominant wavelength in the range of less than 560 nanometers, a color purity of no higher than 6 percent and a visible light transmission of 70 percent or greater at a thickness of 4 millimeters, and wherein the percent reduction of the total iron is between 21% and 34%.

**Or**

**[Claim 30 of the present application]**

30. A glass sheet made from the composition as recited in claim 23.

**Or**

**[Claim 33 of the present application]**

33. A neutral gray colored glass composition having a base glass portion comprising:

AMENDMENT UNDER 37 C.F.R. § 1.111,  
AMENDMENT UNDER 37 C.F.R. § 1.48(b) AND  
REQUEST FOR DECLARATION OF INTERFERENCE  
UNDER 37 C.F.R. § 1.607  
U.S. Appln. No. 09/942,763

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SiO <sub>2</sub>	65 to 80 percent by weight
Na <sub>2</sub> O	10 to 20 percent by weight
CaO	5 to 15 percent by weight
MgO	0 to 10 percent by weight
Al O <sub>3</sub>	0 to 5 percent by weight
K <sub>2</sub> O	0 to 5 percent by weight

---

and a colorant portion consisting essentially of:

---

Fe <sub>2</sub> O <sub>3</sub> (total iron)	0.45 to 0.7-0 percent by weight
FeO	0.08 to 0.16 percent by weight
Co <sub>3</sub> O <sub>4</sub>	3 to 25 PPM
Se	0.5 to 10 PPM

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wherein the color of the glass is characterized by a dominant wavelength less than 560 nanometers, a color purity of no higher than about 8 percent, a visible light transmission of greater than 70 percent, and a direct solar heat transmission at least 12 percentage points below the visible light transmission at a thickness of 3.9 millimeters, and wherein the percent reduction of the total iron is between 21% and 34%.

**Or**

**[Claim 36 of the present application]**

36. A glass sheet made from the composition as recited in claim 33.

**Or**

**[Claim 37 of the present application]**

37. A neutral gray colored glass composition having a base glass portion comprising:

AMENDMENT UNDER 37 C.F.R. § 1.111,  
AMENDMENT UNDER 37 C.F.R. § 1.48(b) AND  
REQUEST FOR DECLARATION OF INTERFERENCE  
UNDER 37 C.F.R. § 1.607  
U.S. Appln. No. 09/942,763

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SiO <sub>2</sub>	65 to 80 percent by weight
Na <sub>2</sub> O	10 to 20 percent by weight
CaO	5 to 15 percent by weight
MgO	0 to 10 percent by weight
Al <sub>2</sub> O <sub>3</sub>	0 to 5 percent by weight
K <sub>2</sub> O	0 to 5 percent by weight

---

and a colorant portion consisting essentially of:

---

Fe <sub>2</sub> O <sub>3</sub> (total iron)	0.45 to 0.70 percent by weight
FeO	0.08 to 0.16 percent by weight
Co <sub>3</sub> O <sub>4</sub>	3 to 25 PPM
Se	0.5 to 10 PPM

---

wherein the color of the glass is characterized by a dominant wavelength less than 560 nanometers, a color purity of no higher than 6 percent and a visible light transmission of greater than 70 percent at a thickness of 4 millimeters, and wherein the percent reduction of the total iron is between 21% and 34%.

**Or**

**[Claim 39 of the present application]**

39. A neutral gray colored glass composition having a base glass portion comprising:

AMENDMENT UNDER 37 C.F.R. § 1.111,  
AMENDMENT UNDER 37 C.F.R. § 1.48(b) AND  
REQUEST FOR DECLARATION OF INTERFERENCE  
UNDER 37 C.F.R. § 1.607  
U.S. Appln. No. 09/942,763

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SiO <sub>2</sub>	65 to 80 percent by weight
Na <sub>2</sub> O	10 to 20 percent by weight
CaO	5 to 15 percent by weight
MgO	0 to 10 percent by weight
Al <sub>2</sub> O <sub>3</sub>	0 to 5 percent by weight
K <sub>2</sub> O	0 to 5 percent by weight

---

and a colorant portion consisting essentially of:

---

Fe <sub>2</sub> O <sub>3</sub> (total iron)	greater than 0.45 up to 0.65 percent by weight
FeO	0.08 to 0.16 percent by weight
CoO	3 to 25 PPM
Se	0.5 to 10 PPM
NiO	up to 50 PPM

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wherein the glass has a visible light transmission luminous transmittance of greater than 70 percent at a thickness of 4.0 millimeters, and wherein the percent reduction of the total iron is between 21% and 34%.

**Or**

**[Claim 45 of the present application]**

45. A glass sheet made from the composition as recited in claim 33.

**Or**

**[Claim 48 of the present application]**

48. An IR and UV absorbing soda-lime-silica glass of a neutral tint having, in a nominal 4 mm thickness, a visible light transmittance of at least 70%, a direct solar heat

AMENDMENT UNDER 37 C.F.R. § 1.111,  
AMENDMENT UNDER 37 C.F.R. § 1.48(b) AND  
REQUEST FOR DECLARATION OF INTERFERENCE  
UNDER 37 C.F.R. § 1.607  
U.S. Appln. No. 09/942,763

transmission at least twelve percentage points below the visible light transmittance, a dominant wavelength not greater than 560 nm and a color purity of no more than 6%, said glass on a weight basis including as essential ingredients a total iron content expressed as  $\text{Fe}_2\text{O}_3$  from about 0.3% to 0.7%, from about 0.5 to 10 ppm Se, from about 3 to 25 ppm  $\text{Co}_3\text{O}_4$ , 0 to 50 ppm NiO and 0 to 1.5%  $\text{TiO}_2$ , and having a ferrous iron to total iron (as  $\text{Fe}_2\text{O}_3$ ) ratio in the range of 21 to 34.

Or

**[Claim 1 of the '264 Patent]**

1. A neutral gray colored glass composition having a base glass portion comprising:

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$\text{SiO}_2$	66 [-] to 75 percent by weight
$\text{Na}_2\text{O}$	10 [-] to 20 percent by weight
$\text{CaO}$	5 [-] to 15 percent by weight
$\text{MgO}$	0 [-] to 5 percent by weight
$\text{Al}_2\text{O}_3$	0 [-] to 5 percent by weight
$\text{K}_2\text{O}$	0 [-] to 5 percent by weight

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and a colorant portion consisting essentially of:

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$\text{Fe}_2\text{O}_3$ (total iron)	0.32 to 0.70 percent by weight
$\text{FeO}$	up to [0.21] 0.19 percent by weight
$\text{CoO}$	3 [- 50] to 35 PPM
Se	1 [- 15] to 10 PPM

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AMENDMENT UNDER 37 C.F.R. § 1.111,  
AMENDMENT UNDER 37 C.F.R. § 1.48(b) AND  
REQUEST FOR DECLARATION OF INTERFERENCE  
UNDER 37 C.F.R. § 1.607  
U.S. Appln. No. 09/942,763

wherein the color of the glass is characterized by dominant wavelengths in the range of 480 to 555 nanometers, an excitation purity of no higher than 8 percent and a luminous transmittance of 70 percent or greater at a thickness of 3.9 millimeters.

Or

**[Claim 8 of the '264 Patent]**

8. A glass sheet made from the composition as recited in claim 1.

Or

**[Claim 11 of the '264 Patent]**

11. A neutral gray colored glass composition having a base glass portion comprising:

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SiO <sub>2</sub>	66 [-] to 75 percent by weight
Na <sub>2</sub> O	10 [-] to 20 percent by weight
CaO	5 [-] to 15 percent by weight
MgO	0 [-] to 5 percent by weight
Al <sub>2</sub> O <sub>3</sub>	0 [-] to 5 percent by weight
K <sub>2</sub> O	0 [-] to 5 percent by weight

---

and a colorant portion consisting essentially of:

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Fe <sub>2</sub> O <sub>3</sub> (total iron)	[0.15 to 0.65] 0.17 to 0.60 percent by weight
FeO	[up to 0.18] 0.04 to 0.16 percent by weight
CoO	[15-55] 20 to 52 PPM
Se	0 [-5] to 3 PPM
NiO	[25-350] 50 to 350 PPM

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AMENDMENT UNDER 37 C.F.R. § 1.111,  
AMENDMENT UNDER 37 C.F.R. § 1.48(b) AND  
REQUEST FOR DECLARATION OF INTERFERENCE  
UNDER 37 C.F.R. § 1.607  
U.S. Appln. No. 09/942,763

wherein the color of the glass is characterized by dominant wavelengths in the range of 480 to 558.3 nanometers an excitation purity of no higher than 8 percent and a luminous transmittance of 60 percent or greater at a thickness of 3.9 millimeters.

Or

**[Claim 18 of the '264 Patent]**

18. A glass sheet made from the composition as recited in claim 11.

Or

**[Claim 21 of the '264 Patent]**

21. A neutral gray colored glass composition having a base glass portion comprising:

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SiO <sub>2</sub>	66 to 75 percent by weight
Na <sub>2</sub> O	10 to 20 percent by weight
CaO	5 to 15 percent by weight
MgO	0 to 5 percent by weight
Al <sub>2</sub> O <sub>3</sub>	0 to 5 percent by weight
K <sub>2</sub> O	0 to 5 percent by weight

---

and a colorant portion consisting essentially of:

---

Fe <sub>2</sub> O <sub>3</sub>	0.32 to 0.70 percent by weight
FeO	up to 0.21 percent by weight
CoO	3 to 50 PPM
Se	1 to 15 PPM

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AMENDMENT UNDER 37 C.F.R. § 1.111,  
AMENDMENT UNDER 37 C.F.R. § 1.48(b) AND  
REQUEST FOR DECLARATION OF INTERFERENCE  
UNDER 37 C.F.R. § 1.607  
U.S. Appln. No. 09/942,763

wherein the color of the glass is characterized by dominant wavelengths in the range of 480 to 555 nanometers, an excitation purity of no higher than about 8 percent, a luminous transmittance of greater than 70 percent, and a total solar energy transmittance of 65 percent or less at a thickness of 3.9 millimeters.

Or

**[Claim 24 of the '264 Patent]**

24. A glass sheet made from the composition as recited in claim 21.

Or

**[Claim 25 of the '264 Patent]**

25. A neutral gray colored glass composition having a base glass portion comprising:

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SiO <sub>2</sub>	66 to 75 percent by weight
Na <sub>2</sub> O	10 to 20 percent by weight
CaO	5 to 15 percent by weight
MgO	0 to 5 percent by weight
Al <sub>2</sub> O <sub>3</sub>	0 to 5 percent by weight
K <sub>2</sub>	0 to 5 percent by weight

---

and a colorant portion consisting essentially of:

---

Fe <sub>2</sub> O <sub>3</sub>	0.32 to 0.70 percent by weight
FeO	up to 0.21 percent by weight
CoO	3 to 50 PPM
Se	1 to 15 PPM

---

AMENDMENT UNDER 37 C.F.R. § 1.111,  
AMENDMENT UNDER 37 C.F.R. § 1.48(b) AND  
REQUEST FOR DECLARATION OF INTERFERENCE  
UNDER 37 C.F.R. § 1.607  
U.S. Appln. No. 09/942,763

wherein the color of the glass is characterized by dominant wavelengths in the range of 480 to 555 nanometers, an excitation purity of no higher than 8 percent and a luminous transmittance of greater than 70 percent at a thickness of 3.9 millimeters.

Or

**[Claim 27 of the '264 Patent]**

27. A neutral gray colored glass composition having a base glass portion comprising:

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SiO <sub>2</sub>	66 to 75 percent by weight
Na <sub>2</sub> O	10 to 20 percent by weight
CaO	5 to 15 percent by weight
MgO	0 to 5 percent by weight
Al <sub>2</sub> O <sub>3</sub>	0 to 5 percent by weight
K <sub>2</sub> O	0 to 5 percent by weight

---

and a colorant portion consisting essentially of:

---

Fe <sub>2</sub> O <sub>3</sub> (total iron)	greater than 0.15 up to 0.65 percent by weight
FeO	up to 0.18 percent by weight
CoO	15 to 55 PPM
Se	0 to 3 PPM
NiO	25 to 350 PPM

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wherein the glass has a luminous transmittance of greater than 60 percent at a thickness of 3.9 millimeters.

AMENDMENT UNDER 37 C.F.R. § 1.111,  
AMENDMENT UNDER 37 C.F.R. § 1.48(b) AND  
REQUEST FOR DECLARATION OF INTERFERENCE  
UNDER 37 C.F.R. § 1.607  
U.S. Appln. No. 09/942,763

Or

**[Claim 33 of the '264 Patent]**

33. A glass sheet made from the composition as recited in claim 27.